

**IN THE UNITED STATES DISTRICT COURT
FOR THE MIDDLE DISTRICT OF TENNESSEE
NASHVILLE DIVISION**

OMOWALE A. SHABAZZ

Plaintiff,

v.

DERRICK SCHOFIELD, et al.

Defendants

)
)
)
)
)
)
)
)
)
)

CIVIL CASE NO. 3:13-CV-00091

**AFFIDAVIT OF DR. KENNETH WILLIAMS, MEDICAL DIRECTOR FOR THE
TENNESSEE DEPARTMENT OF CORRECTION**

I, Dr. Kenneth Williams, being duly sworn, make the following sworn statements:

1. I am employed as the Medical Director for the Tennessee Department of Correction (TDOC) and its correctional facilities. I am a Medical Doctor and I hold a Ph.D. in Microbiology. I have experience in both inpatient and outpatient care, and was in private practice, until I assumed my current position with the Department of Correction. While in private practice, I held hospital privileges at Centennial, Baptist, and Summit Hospitals in Nashville, Tennessee.
2. My current responsibilities include, but are not limited to, managing the Department's contract with its medical services vendor and its deliverables, reviewing credentials of potential providers; reviewing and monitoring "sentinel events", which are encounters requiring infirmary admission, emergency room visits, and/or hospital admissions; monitoring processes and programs to ensure chronic health maintenance; and establishing processes and programs to improve acute health issues with the Department's inmate population.
3. I am currently a member of a national panel on Hepatitis C treatment, sponsored by Gilead Sciences, Inc. As a member of that panel, I attend regular meetings related to the

direction of Hepatitis C treatment in a correctional setting, as well as in the community. I also regularly attend conferences with other medical professionals from other state correctional systems to discuss issues related to healthcare delivery and treatment of diseases in the correctional setting and its challenges.

Mr. Shabazz's Case

4. I have reviewed inmate Omowale Shabazz's (aka Fred Dean), TDOC #244104, medical record in order to advise this Court as to Mr. Shabazz's current health status and to respond to the allegations he makes concerning his alleged medical condition.

5. Mr. Shabazz is enrolled in a chronic care review program and his status is monitored regularly by a dedicated infectious disease monitor as well as the facility medical staff.

6. Mr. Shabazz has been diagnosed with the Hepatitis C virus, Genotype 1.

7. The primary early indicator of whether treatment of Hepatitis C is warranted, is the regular and consistent monitoring of liver enzyme levels. Specifically, the SGOT/AST and SGPT/ALT levels. SGOT/AST is an enzyme that is normally present in liver and heart cells and is released into the blood when the liver or heart is damaged. SGPT/ALT is most commonly found in the liver and is used as measurable indicator of liver function and liver health.

8. Both of these tests indicate specific liver enzyme production and/or lack thereof. All inmates in the custody of the Tennessee Department of Correction that have been diagnosed with Hepatitis C are monitored for increased liver enzyme levels on a regular basis. They are also assessed by physical exam to evaluate for any symptoms at regularly scheduled intervals.

9. In reviewing Mr. Shabazz's medical record, it appears as though he has had lab work conducted at least 13 times since January of 2013. (True and exact copies of the lab reports are attached hereto, and consist of 19 pages).

10. Mr. Shabazz's liver enzyme levels were most recently tested on March 25, 2015. At that time, his SGOT/AST level was at 25, with a reference range of 15-40 and SGPT/ALT = 23 with a reference range of 7-45. The reference range is the median of all persons providing a specimen to that particular laboratory, which includes people without Hepatitis C. The levels indicate that Mr. Shabazz's liver is functioning as it should, and in the same range as persons that do not have Hepatitis C. (See Lab Reports, P. 2). Furthermore, Mr. Shabazz's liver enzyme levels are indicative that his liver is not in active cirrhosis.

11. In accordance with Mr. Shabazz's liver enzyme levels and his medical file as a whole, the Hepatitis C virus has yet to warrant the treatment which Mr. Shabazz seeks. In fact, his current levels do not warrant treatment at all, but do require continued monitoring. Because Mr. Shabazz is a member of the chronic care review program, he will continue to be monitored on a continual basis, along with all other inmates who have been diagnosed with Hepatitis C.

12. His Hepatitis C is stable and he is not in any way in an acute phase. The Department's general policy is to monitor enzyme levels at least every 3 months for all inmates diagnosed with Hepatitis C. This policy is consistent with generally accepted medical practices, regardless of whether the patient is incarcerated or is a free world patient.

13. Mr. Shabazz's Hepatitis C is in a stable state and is not progressing. In some cases – only time will tell if this is true in Mr. Shabazz's case – the Hepatitis C disease never progresses to a point which requires treatment and while diagnosed with Hepatitis C, one's liver may always function normally.

14. In addition to Mr. Shabazz's stable liver enzyme level, in December 2014, the Doctor's notes in Mr. Shabazz's medical file indicate that during his physical examination, he showed no indication of pain and did not communicate any pain to the examining physician. Furthermore, there has been no indication of any jaundice in Mr. Shabazz's eye exams. Jaundice is yellowing

of the white of a patient's eyes, which is direct physical evidence of less than optimum liver function. If Mr. Shabazz had presented with yellowing of the eyes, further tests would be conducted to reevaluate the status of Mr. Shabazz's Hepatitis C.

15. Mr. Shabazz's health or safety is not presently at risk, due to his Hepatitis C. The type of Hepatitis which Mr. Shabazz has, Genotype I, is not such that it will cause immediate and unforeseen health risks. With regular testing of a patient's enzyme levels, increased levels can be monitored to determine if treatment is necessary, as other unrelated factors can cause increased liver enzymes, independent of a Hepatitis C diagnosis.

16. Should Mr. Shabazz's enzyme levels change to such a degree that treatment is warranted, he will be provided with appropriate treatment.

Department's Approach to Hepatitis C Treatment

17. The Department's Hepatitis C Treatment Guidelines were developed for application at all of the Department's correctional institutions. The guidelines were developed with input from experts in the community practicing infectious disease and gastroenterology (A true and exact copy of the Guidelines are attached hereto).

18. Generally, the responsible course of medical treatment action for Hepatitis C is to monitor enzyme levels and track the patient until the patient shows the initial signs of possible damage, i.e. consistently increased enzyme levels. Specific to Genotype 1, treatment can proceed if an inmate is not scheduled for release within 15 months. This time frame is required in order to ensure that the round of treatment can occur and be completed. It is especially important that a patient not be started on a Hepatitis C regimen which they cannot complete. Not completing the treatment can be harmful and is not without side effects which can be a serious detriment to a patient's health. In addition, beginning treatment, and not completing treatment can harm a patient's chances at a cure in the future.

Kenneth L Williams PhD

Sworn to and subscribed before me this 6th day of May, 2015.



Marcia E. Conroy
Notary Public

My commission expires: 07-03-2017



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN TUCKER, CORTEZ	NAME DEAN, FRED		SEX M	ACCESSION NO. 201503895842	CONTROL NO. 655181
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 03/25/2015 06:50	DATE RESULTED 03/27/2015 01:57
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Abnormals Summary

NEUTROPHILS	33.7	LYMPHOCYTE	58.2	RED BLOOD CELLS	4.36
HEMOGLOBIN	12.0	HEMATOCRIT	40.4	MCHC	29.6
MPV	11.9				

Test Description	Result	Abnormal	Flag	Reference Range	Units	Prev Lab Res
------------------	--------	----------	------	-----------------	-------	--------------

FASTING

CBC	col: 03/25/2015				Status: F
-----	-----------------	--	--	--	-----------

PLATELET COUNT	201			150-400	TH/CUMM	211
WHITE BLOOD COUNT	7.21			4.0-10.0	TH/CU MM	6.44
ABSOLUTE NEUTROPHIL CT	2.43			1.56-8.10	x10-3/uL	2.01
NEUTROPHILS	33.7	L		39-81	%	31.2
LYMPHOCYTE	58.2	H		14-51	%	60.2
MONOCYTES	6.7			0-13.3	%	6.4
EOSINOPHIL	1.1			0-8	%	1.2
BASOPHILS	0.4			0-2	%	1.0
RED BLOOD CELLS	4.36	LL		4.41-5.51	M/CU MM	4.64
HEMOGLOBIN	12.0	EL		13.5-17.5	G/DL	12.6
HEMATOCRIT	40.4	LL		41-53	%	41.5
MCV	92.8			80-105	FL	89.4
MCH	27.5			27-33	PG	27.1
MCHC	29.6	L		31-37	G/DL	30.3
RDW	13.5			11.5-14.5	%	14.1
MPV	11.9	H		7.4-10.4	FL	12.2

CMP	col: 03/25/2015				Status: F
-----	-----------------	--	--	--	-----------

ALBUMIN	4.1			3.5-5.5	G/DL	4.0
ALK PHOS	121			53-128	U/L	139
TOTAL BILIRUBIN	0.4			0.2-1.2	MG/DL	0.7
BUN	12			7-18	MG/DL	11
CALCIUM	9.5			8.4-10.7	MG/DL	9.8
CHLORIDE	104			98-107	MEQ/L	103
CREATININE, SERUM	0.89			0.7-1.3	MG/DL	0.94
GFR (NON-AFR AMER)	94			60-300	mL/MIN	89
GFR (AFR AMER)	114			60-300	mL/MIN	107

Director: Lorenz P. Kielhorn, MD

Printed: 03/27/2015 04:43

Continued on next page

Thomas M. Kessler, MD
Family Medicine Physician

Pg: 1/2



GARCIA LABORATORY

Status: FINAL

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

ORDERING PHYSICIAN TUCKER, CORTEZ	NAME DEAN, FRED		SEX M	ACCESSION NO. 201503895842	CONTROL NO. 655181
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940	DATE COLLECTED 03/25/2015 06:50		DATE RESULTED 03/27/2015 01:57
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Test Description	Result	Abnormal	Flag	Reference Range	Units	Prev Lab Res
GLUCOSE	76			70-105	MG/DL	70
POTASSIUM	4.4			3.5-5.1	MEQ/L	4.7
TOTAL PROTEIN	7.2			6.0-8.3	G/DL	7.5
SODIUM	139			136-145	MEQ/L	139
CARBON DIOXIDE	29			22-33	MEQ/L	30
SGOT/AST	25			15-40	U/L	39
SGPT/ALT	23			7-45	U/L	39

Director: Lorenz P. Kielhorn, MD

Printed: 03/27/2015 04:43

-- End of Report --

Case 3:13-cv-00091 Document 563 Filed 05/06/15 Page 7 of 28 PageID #: 4417

Pg: 2

1/1



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

RECEIVED
Status: FINAL
DEC 11 2014
1600 am

ORDERING PHYSICIAN TUCKER, CORTEZ	NAME DEAN, FRED		SEX M	ACCESSION NO. 201412701824	CONTROL NO. 558220
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 12/08/2014 07:55	DATE RESULTED 12/09/2014 23:46
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Abnormals Summary

NEUTROPHILS	31.2	LYMPHOCYTE	60.2	HEMOGLOBIN	12.6
MCHC	30.3	MPV	12.2		
ALK PHOS	139				

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
------------------	--------	----------	------	-----------------	-------	------

FASTING

CBC				col: 12/08/2014	Status: F
PLATELET COUNT	211			150-400	TH/CUMM
WHITE BLOOD COUNT	6.44			4.0-10.0	TH/CU MM
ABSOLUTE NEUTROPHIL CT	2.01			1.56-8.10	x10-3/uL
NEUTROPHILS	31.2	L		39-81	%
LYMPHOCYTE	60.2	H		14-51	%
MONOCYTES	6.4			0-13.3	%
EOSINOPHIL	1.2			0-8	%
BASOPHILS	1.0			0-2	%
RED BLOOD CELLS	4.64			4.41-5.51	M/CU MM
HEMOGLOBIN	10/27/14 12.1 ↑ 12.6	LL		13.5-17.5	G/DL
HEMATOCRIT	41.5			41-53	%
MCV	89.4			80-105	FL
MCH	27.1			27-33	PG
MCHC	30.3	L		31-37	G/DL
RDW	14.1			11.5-14.5	%
MPV	12.2	H		7.4-10.4	FL

FASTING

CMP				col: 12/08/2014	Status: F
ALBUMIN	4.0			3.5-5.5	G/DL
ALK PHOS	139	HH		53-128	U/L
TOTAL BILIRUBIN	0.7			0.2-1.2	MG/DL
BUN	11			7-18	MG/DL
CALCIUM	9.8			8.4-10.7	MG/DL
CHLORIDE	103			98-107	MEQ/L
CREATININE, SERUM	0.94			0.7-1.3	MG/DL
GFR (NON-AFR AMER)	89			60-300	mL/MIN
GFR (AFR AMER)	107			60-300	mL/MIN

Director: Lorenz P. Kielhorn, MD

Printed: 12/11/2014 04:31

Continued on Next Page

Tommie Hamilton, RPOB Case 2:13-cv-00091 Document 563 Filed 05/06/15 Page 8 of 28 PageID # 4418

Pg: 1



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

RECEIVED
Status: FINAL
DEC 11 2014
boon

ORDERING PHYSICIAN TUCKER, CORTEZ	NAME DEAN, FRED		SEX M	ACCESSION NO. 201412701824	CONTROL NO. 558220
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 12/08/2014 07:55	DATE RESULTED 12/09/2014 23:46
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
GLUCOSE	70			70-105	MG/DL	
POTASSIUM	4.7			3.5-5.1	MEQ/L	
TOTAL PROTEIN	7.5			6.0-8.3	G/DL	
SODIUM	139			136-145	MEQ/L	
CARBON DIOXIDE	30			22-33	MEQ/L	
SGOT/AST	39			15-40	U/L	
SGPT/ALT	39			7-45	U/L	
TSH-HIGH SENSITIVITY				Col: 12/08/2014		Status: F
TSH-HIGH SENSITIVITY	3.16			0.465-4.68	uU/mL	

12-11-14

JD

Tommie Hamilton, FNP

Director: Lorenz P. Kielhorn, MD

Printed: 12/11/2014 04:31

-- End of Report --

Pg: 2



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN COLLINS, AMANDA	NAME DEAN, FRED	SEX M	ACCESSION NO. 201410678516	CONTROL NO. 524739
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940	DATE COLLECTED 10/29/2014 11:45	DATE RESULTED 10/31/2014 23:02
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104		

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
------------------	--------	----------	------	-----------------	-------	------

NON-FASTING

10 PANEL URINE DRUG SCREEN

Col: 10/29/2014

Status: F

AMPHETAMINE NEGATIVE | | NEGATIVE NG/ML

AMPHETAMINE CUTOFF: 1000 NG/ML

BARBITURATES NEGATIVE | | NEGATIVE NG/ML

BARBITURATE CUTOFF: 200 NG/ML

BENZODIAZEPINE NEGATIVE | | NEGATIVE

BENZODIAZEPINE CUTOFF: 200 NG/ML

COCAINE NEGATIVE | | NEGATIVE

COCAINE CUTOFF: 300 NG/ML

METHADONE NEGATIVE | | NEGATIVE NG/ML

METHADONE CUTOFF: 300 NG/ML

OPIATES NEGATIVE | | NEGATIVE

OPIATES CUTOFF: 300 NG/ML

PHENCYCLIDINE (PCP) NEGATIVE | | NEGATIVE

PHENCYCLIDINE CUTOFF: 25 NG/ML

PROPOXYPHENE NEGATIVE | | NEGATIVE NG/ML

PROPOXYPHENE CUTOFF: 300 NG/ML

CANNABINOIDS NEGATIVE | | NEGATIVE

CANNABINOIDS CUTOFF: 50 NG/ML

URINE CREATININE 77.1

URINE CREATININE IS USED TO EVALUATE SAMPLE COLLECTIONS FOR POSSIBLE ADULTERATION. A RESULT GREATER THAN OR EQUAL TO 20 MG/DL IS NORMAL. A RESULT LESS THAN 20 MG/DL MAY INDICATE POSSIBLE ADULTERATION OF SAMPLE. RECOLLECTION IS SUGGESTED IF URINE CREATININE IS LESS THAN 20 MG/DL.

Amanda Collins, PA-C

2014

NWCX-MC

Director: Lorenz P. Kielhorn, MD

Printed: 11/01/2014 04:08

-- End of Report --

Pg: 1



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN COLLINS, AMANDA	NAME DEAN, FRED		SEX M	ACCESSION NO. 201410693473	CONTROL NO. 521034
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940	DATE COLLECTED 10/27/2014 07:09		DATE RESULTED 10/29/2014 01:53
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Abnormals Summary

NEUTROPHILS	25.5	LYMPHOCYTE	66.7	HEMOGLOBIN	12.1
MCHC	29.0	RDW	14.6	MPV	12.9

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
FASTING						

CBC				col: 10/27/2014	Status: F	
PLATELET COUNT	192			150-400	TH/CUMM	
WHITE BLOOD COUNT	6.83			4.0-10.0	TH/CUMM	
ABSOLUTE NEUTROPHIL CT	1.74			1.56-8.10	x10 ³ /uL	
NEUTROPHILS	25.5	L		39-81	%	
LYMPHOCYTE	66.7	H		14-51	%	
MONOCYTES	5.7			0-13.3	%	
EOSINOPHIL	0.9			0-8	%	
BASOPHILS	1.2			0-2	%	
RED BLOOD CELLS	4.45			4.41-5.51	M/CU MM	
HEMOGLOBIN	12.1	LL		13.5-17.5	G/DL	
HEMATOCRIT	41.9			41-53	%	
MCV	94.1			80-105	FL	
MCH	27.2			27-33	PG	
MCHC	29.0	L		31-37	G/DL	
RDW	14.6	H		11.5-14.5	%	
MPV	12.9	H		7.4-10.4	FL	

Amanda Collins, PA-C

NWCX-MC

feritin
Fe
vit B12
folate
9/26/14

ac
11/4/14

Director: Lorenz P. Kielhorn, MD

Printed: 10/30/2014 06:03

-- End of Report --

Pg: 1



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN COLLINS, AMANDA	NAME DEAN, FRED		SEX M	ACCESSION NO. 201409468033	CONTROL NO. 494383
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940	DATE COLLECTED 09/26/2014 07:08		DATE RESULTED 09/27/2014 20:54
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
FERRITIN				col: 09/26/2014		Status: F
FERRITIN	408.9			17.9-464	NG/ML	
SERUM IRON				col: 09/26/2014		Status: F
SERUM IRON	122			50-170	UG/DL	
VB12, FOL PANEL				col: 09/26/2014		Status: F
VITAMIN B 12	487.4			239-931	PG/ML	
FOLATE	11.65			2.76-20	NG/ML	

aw
9/30/14

AMANDA COLLINS, PA-C
SEP 30 2014
NWCX-MC

Director: Lorenz P. Kielhorn, MD

Printed: 09/30/2014 11:38

-- End of Report --

Pg: 1



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN COLLINS, AMANDA	NAME DEAN, FRED		SEX M	ACCESSION NO. 201409591835	CONTROL NO. 483168
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 09/15/2014 06:25	DATE RESULTED 09/21/2014 01:54
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Abnormals Summary

HEMOGLOBIN	12.4	MCHC	29.0	MPV	12.5
------------	------	------	------	-----	------

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
CBC				col: 09/15/2014		Status: F
PLATELET COUNT	185			150-400	TH/CUMM	
WHITE BLOOD COUNT	5.66			4.0-10.0	TH/CU MM	
ABSOLUTE NEUTROPHIL CT	3.23			1.56-8.10	x10-3/uL	
NEUTROPHILS	57			39-81	%	
LYMPHOCYTE	40			14-51	%	
MONOCYTES	1			0-13.3	%	
EOSINOPHIL	2			0-8	%	
BASOPHILS	0			0-2	%	
RED BLOOD CELLS	4.42			4.41-5.51	M/CU MM	
HEMOGLOBIN	12.4	LL		13.5-17.5	G/DL	
HEMATOCRIT	42.7			41-53	%	
MCV	96.6			80-105	FL	
MCH	28.0			27-33	PG	
MCHC	29.0	L		31-37	G/DL	
RDW	13.4			11.5-14.5	%	
MPV	12.5	H		7.4-10.4	FL	
CMP				col: 09/15/2014		Status: F
ALBUMIN	4.4			3.5-5.5	G/DL	
ALK PHOS	126			53-128	U/L	
TOTAL BILIRUBIN	0.7			0.2-1.2	MG/DL	
BUN	11			7-18	MG/DL	
CALCIUM	9.8			8.4-10.7	MG/DL	
CHLORIDE	102			98-107	MEQ/L	
CREATININE, SERUM	1.04			0.7-1.3	MG/DL	
GFR (NON-AFR AMER)	79			60-300	mL/MIN	
GFR (AFR AMER)	96			60-300	mL/MIN	
GLUCOSE	78			70-105	MG/DL	
POTASSIUM	4.4			3.5-5.1	MEQ/L	
TOTAL PROTEIN	7.7			6.0-8.3	G/DL	

Director: Lorenz P. Kielhorn, MD

Printed: 09/21/2014 04:14

Continued on Next Page

Pg: 1



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN COLLINS, AMANDA	NAME DEAN, FRED		SEX M	ACCESSION NO. 201409591835	CONTROL NO. 483168
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940	DATE COLLECTED 09/15/2014 06:25		DATE RESULTED 09/21/2014 01:54
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
SODIUM	137			136-145	MEQ/L	
CARBON DIOXIDE	27			22-33	MEQ/L	
SGOT/AST	38			15-40	U/L	
SGPT/ALT	34			7-45	U/L	
URINE (MICRO IF IND)				Col: 09/15/2014	Status: F	
PH	6.0			5.0-8.0		
PROTEIN (ALBUMIN)	NEGATIVE					
GLUCOSE	NEGATIVE					
KETONES (ACETONE)	NEGATIVE					
BILIRUBIN (URINE)	NEGATIVE					
UROBILINOGEN	0.2			0.2-1.0		
BLOOD (OCCULT)	NEGATIVE					
LEUKOCYTE ESTERASE	NEGATIVE					
NITRITE	NEGATIVE					
COLOR	YELLOW					
APPEARANCE	CLEAR					
SPECIFIC GRAVITY	1.015			1.003-1.030		
MICROSCOPIC COMMENT	MICROSCOPIC NOT IND					

AW
9/22/14

Amanda Collins, PA-C
SEP 23 2014
NWCX-MC

Director: Lorenz P. Kielhorn, MD

Printed: 09/21/2014 04:14

-- End of Report --

Case 3:13-cv-00091 Document 563 Filed 05/06/15 Page 14 of 28 PageID #: 4424

Pg: 2



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN HAMILTON, TOMMIE	NAME DEAN, FRED		SEX M	ACCESSION NO. 201408542136	CONTROL NO. 453626
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 08/12/2014 06:44	DATE RESULTED 08/14/2014 04:58
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Abnormals Summary

NEUTROPHILS	25.2	LYMPHOCYTE	65.1	RED BLOOD CELLS	4.31
HEMOGLOBIN	12.4	HEMATOCRIT	40.2	MCHC	30.8
RDW	15.2	MPV	12.3		
ALK PHOS	137	SGOT/AST	41		

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
CBC				col: 08/12/2014		Status: F
PLATELET COUNT	228			150-400	TH/CUMM	
WHITE BLOOD COUNT	7.76			4.0-10.0	TH/CU MM	
ABSOLUTE NEUTROPHIL CT	1.96			1.56-8.10	x10 ³ /uL	
NEUTROPHILS	25.2	L		39-81	%	
LYMPHOCYTE	65.1	H		14-51	%	
MONOCYTES	7.2			0-13.3	%	
EOSINOPHIL	1.0			0-8	%	
BASOPHILS	1.4			0-2	%	
RED BLOOD CELLS	4.31	LL		4.41-5.51	M/CU MM	
HEMOGLOBIN	12.4	LL		13.5-17.5	G/DL	
HEMATOCRIT	40.2	LL		41-53	%	
MCV	93.3			80-105	FL	
MCH	28.7			27-33	PG	
MCHC	30.8	L		31-37	G/DL	
RDW	15.2	H		11.5-14.5	%	
MPV	12.3	H		7.4-10.4	FL	
CMP				col: 08/12/2014		Status: F
ALBUMIN	4.3			3.5-5.5	G/DL	
ALK PHOS	137	HH		53-128	U/L	
TOTAL BILIRUBIN	0.7			0.2-1.2	MG/DL	
BUN	10			7-18	MG/DL	
CALCIUM	9.8			8.4-10.7	MG/DL	
CHLORIDE	105			98-107	MEQ/L	
CREATININE, SERUM	1.04			0.7-1.3	MG/DL	
GFR (NON-AFR AMER)	79			60-300	mL/MIN	
GFR (AFR AMER)	95			60-300	mL/MIN	
GLUCOSE	85			70-105	MG/DL	

Director: Lorenz P. Kielhorn, MD

Printed: 08/14/2014 07:06

Continued on Next Page



GARCIA LABORATORY

Status: FINAL

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

ORDERING PHYSICIAN HAMILTON, TOMMIE	NAME DEAN, FRED		SEX M	ACCESSION NO. 201408542136	CONTROL NO. 453626
FACILITY NO. NWCX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 08/12/2014 06:44	DATE RESULTED 08/14/2014 04:58
Tennessee DOC 960 State Route 212 TIPTONVILLE, TN 38079	EMR ID	INMATE ID 00244104			

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
POTASSIUM	4.6			3.5-5.1	MEQ/L	
TOTAL PROTEIN	8.0			6.0-8.3	G/DL	
SODIUM	140			136-145	MEQ/L	
CARBON DIOXIDE	30			22-33	MEQ/L	
SGOT/AST		41	HH	15-40	U/L	
SGPT/ALT	40			7-45	U/L	
PROSTATE SPECIFIC AG				Cell: 08/12/2014		Status: F
PROSTATE SPECIFIC AG	0.475			0-3.2	NG/ML	

8-25-14
22

Director: Lorenz P. Kielhorn, MD

Printed: 08/14/2014 07:06

-- End of Report --

Pg: 2



GARCIA LABORATORY

Status: FINAL

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

ORDERING PHYSICIAN THOMPSON, DONALD	NAME DEAN, FRED		SEX M	ACCESSION NO. 201404367818	CONTROL NO. 339821
FACILITY NO. NECX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 04/14/2014 10:00	DATE RESULTED 04/17/2014 12:31
Tennessee DOC 5249 Highway 67 West MOUNTAIN CITY, TN 37683	EMR ID	INMATE ID 00244104			

Abnormals Summary

HEP B CORE AB POSITIVE

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
NON-FASTING						
HEP B CORE AB				Col: 04/14/2014		Status: F
HEP B CORE AB	POSITIVE	A		NEGATIVE		

DTU
Donald F. Thompson, MD
Family Practice Physician
5-2-14

Director: Lorenz P. Kielhorn, MD

Printed: 04/17/2014 13:56

-- End of Report --

Pg: 1

Status: FINAL



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

ORDERING PHYSICIAN BERNARD, CLEMENT	NAME DEAN, FRED		SEX M	ACCESSION NO. 201402239046	CONTROL NO. 281701
FACILITY NO. NECX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940	DATE COLLECTED 02/12/2014 11:23		DATE RESULTED 02/25/2014 16:17
Tennessee DOC 5249 Highway 67 West MOUNTAIN CITY, TN 37683	EMR ID	INMATE ID 00244104			

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
NON-FASTING						
Col: 02/12/2014 Status: F						

HCV RNA GENOTYPE, LIPA

HCV RNA GENOTYPE, LIPA

GENOTYPE 1B

The method used in this test is RT-PCR and reverse hybridization (Line Probe) of the 5' UTR and core region of the HCV genome. This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, San Juan Capistrano. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. Performance characteristics refer to the analytical performance of the test. Quest Diagnostics also offers the AccuType(R) IL28B test, which can help stratify HCV-infected individuals into those who are predisposed to respond more favorably and those who are predisposed to respond less favorably to standard HCV therapy. A favorable IL28B genotype (ie, CC) predicts improved treatment response for individuals infected with HCV genotype 1. Reference: Clin Gastroenterol Hepatol. 2011;9:344-350. To order the IL-28B test please submit a new whole blood sample for test code 90251. <http://education.questdiagnostics.com/faq/HCVgenotyping>

THE METHOD USED IN THIS TEST IS RT-PCR AND REVERSE HYBRIDIZATION (LINE PROBE) OF THE 5' UTR AND CORE REGION OF THE HCV GENOME.

TEST PERFORMED AT QUEST DIAGNOSTICS
4444 GIDDINGS RD
AUBURN HILLS, MI 48326-1561

AUTH REQUIRED QUESTION

Col: 02/12/2014

Status: F

AUTH REQUIRED QUESTION

Col: 02/12/2014

Status: F

HCV RNA bdNA

HCV RNA bdNA

WILL FOLLOW

TEST PERFORMED BY
SIEMENS CLINICAL LABORATORY
725 POTTER STREET
BERKELEY CA 94710-3614
(800)434-2447
DIRECTOR: WILLIAM P JOSEPH, MD
NORMAL RANGE: < 615 IU/ML

PT/INR

Col: 02/12/2014

Status: F

PROTHROMBIN TIME

10.7

9.5-11.5

INR

1.00

0.88-1.10

THERAPY: 0-3-0 DVT/PE/MI/ILISS HT VAL/VAL HT DIS/ATR FIB
2-5-3-5-5 CARDIO/EMBOLUS/MECH HT VAL

Director: Lorenz P. Kielhorn, MD

Printed: 02/25/2014 21:49

-- End of Report --

Pg: 1



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN BERNARD, CLEMENT	NAME DEAN, FRED		SEX M	ACCESSION NO. 201311851477	CONTROL NO. 209567
FACILITY NO. NECX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 11/20/2013 10:16	DATE RESULTED 11/25/2013 08:12
Tennessee DOC 5249 Highway 67 West MOUNTAIN CITY, TN 37683	EMR ID	INMATE ID 00244104			

Abnormals Summary

HPI IgG ABS 2.21

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
------------------	--------	----------	------	-----------------	-------	------

NON-FASTING

H. PYLORI IgG/IgM/IgA				Col: 11/20/2013	Status: F	
-----------------------	--	--	--	-----------------	-----------	--

HPI IgG ABS	2.21	H	< 0.91	Index
-------------	------	---	--------	-------

REFERENCE RANGE for H. pylori IgG Ab

Less than 0.91 Negative
0.91 - 1.09 Equivocal
Greater than 1.09 Positive

HPI IgM ABS	< 0.89		< 0.89	Index
-------------	--------	--	--------	-------

HPI IgA ABS	< 0.89		< 0.89	Index
-------------	--------	--	--------	-------

REFERENCE RANGE for H. pylori IgM and IgA Abs

Less than 0.89 Negative
0.89 - 0.99 Equivocal
Greater than 0.99 Positive

H. pylori IgM Abs: This test(s) was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.

@ Test Performed By:

Quest Diagnostics Nichols Institute
Basel Kashlan M.D., FCAP., Laboratory Director
27027 Tourney Road
Valencia, CA 91355-5386
CLIA 05D0550302

REFERENCE RANGE FOR H. PYLORI IgG, IgM AND IgA ABS

LESS THAN 0.89 NEGATIVE
0.89 - 0.99 EQUIVOCAL
GREATER THAN 0.99 POSITIVE



NOV 26 2013

Dr. Clement Bernard, MD

Director: Lorenz P. Kielhorn, MD

Printed: 11/25/2013 12:55

-- End of Report --

Pr



GARCIA LABORATORY

2195 SPRING ARBOR ROAD • JACKSON, MICHIGAN 49203
PHONE (517) 787-9200 • (800) 888-8598 • FAX (517) 787-1249

Status: FINAL

ORDERING PHYSICIAN CHAFIN, WANDA	NAME DEAN, FRED		SEX M	ACCESSION NO. 201309964146	CONTROL NO. 150897
FACILITY NO. NECX	DOB 09/17/1959	ACCOUNT NO. PRIS 6407940		DATE COLLECTED 09/11/2013 09:58	DATE RESULTED 09/12/2013 23:17
Tennessee DOC 5249 Highway 67 West MOUNTAIN CITY, TN 37683	EMR ID	INMATE ID 00244104			

Abnormals Summary

NEUTROPHILS	35.7	LYMPHOCYTE	55.4	HEMOGLOBIN	12.6
MCHC	29.6	MPV	12.5		
ALK PHOS	136				

Test Description	Result	Abnormal	Flag	Reference Range	Units	Labs
------------------	--------	----------	------	-----------------	-------	------

NON-FASTING

CBC	col: 09/11/2013			Status: F		
-----	-----------------	--	--	-----------	--	--

PLATELET COUNT	189			150-400	TH/CUMM	
WHITE BLOOD COUNT	6.62			4.0-10.0	TH/CD MM	
ABSOLUTE NEUTROPHIL CT	2.36			1.56-8.10	x10-3/uL	
NEUTROPHILS	35.7	L		39-81	%	
LYMPHOCYTE	55.4	H	Col. 7	14-51	%	
MONOCYTES	7.2			0-13.3	%	
EOSINOPHIL	0.9			0-8	%	
BASOPHILS	0.8			0-2	%	
RED BLOOD CELLS	4.45			4.41-5.51	M/CU MM	
HEMOGLOBIN	12.6	LL	11.3	13.5-17.5	G/DL	
HEMATOCRIT	42.6			41-53	%	
MCV	95.8			80-105	FL	
MCH	28.4			27-33	PG	
MCHC	29.6	L	31.5	31-37	G/DL	
RDW	13.5			11.5-14.5	%	
MPV	12.5	H		7.4-10.4	FL	

CMP	col: 09/11/2013			Status: F		
-----	-----------------	--	--	-----------	--	--

ALBUMIN	4.3			3.5-5.5	G/DL	
ALK PHOS	136	HH	111	53-128	U/L	
TOTAL BILIRUBIN	0.7			0.2-1.2	MG/DL	
BUN	12			7-18	MG/DL	
CALCIUM	9.5			8.4-10.7	MG/DL	
CHLORIDE	104			98-107	MEQ/L	
CREATININE, SERUM	0.95			0.7-1.3	MG/DL	
GFR (NON-AFR AMER)	88			60-300	mL/MIN	
GFR (AFR AMER)	106			60-300	mL/MIN	
GLUCOSE	98			70-105	MG/DL	

9-16-13
NCCV
1025
Sue
Chaffin
FNP

Director: Lorenz P. Kielhorn, MD

Printed: 09/13/2013 02:14

Continued on Next Page

Pg: 1

BERNARD, CLEMENT

T0318 - CORCMS NORTHEAST

5249 HIGHWAY 67 WEST,

MOUNTAIN CITY, TN 37683

Acct #: (T0318)

P: 423-727-7387

DEAN, FRED

DOB: 09/17/1959 Age: 53 Yrs

Sex: M

Medical Record:

Inmate ID: 244104

Address:

, TN

P:

Specimen ID: 104928914

Date Of Report: 05/18/2013 06:38

Date Collected: 05/17/2013 04:04

Date Received: 05/17/2013 23:34

Notes: PATIENT FASTING

CLINICAL REPORT

Clinical Abnormalities Summary: (May not contain all abnormal results; narrative results may not have abnormal flags. Please review entire report.)

ALT	42 HI	GGTP	129 HI		
HGB	11.3 LO	HCT	35.9 LO	POLYS	21.0 LO
LYMPHS	66.7 HI				

-----* CHEMISTRY *-----

Test	Result	Abnormal	Reference	Units	Previous Result	Date
Total Protein	7.3		5.9-8.4	g/dL	7.6	01/29/2013
Albumin	4.1		3.5-5.2	g/dL	4.4	01/29/2013
Globulin	3.2		1.7-3.7	g/dL	3.2	01/29/2013
A/G Ratio	1.3		1.1-2.9		1.4	01/29/2013
Glucose	82		70-99	mg/dL	88	01/29/2013
Sodium	140		133-145	mmol/L	139	01/29/2013
Potassium	4.6		3.3-5.3	mmol/L	4.1	01/29/2013
Chloride	103		96-108	mmol/L	101	01/29/2013
CO2	26		22-29	mmol/L	27	01/29/2013
BUN	12		6-20	mg/dL	10	01/29/2013
Creatinine	0.98		0.90-1.30	mg/dL	0.97	01/29/2013
e-GFR	80		>60	mL/min	81	01/29/2013
e-GFR, African American	97		>60	mL/min	98	01/29/2013
BUN/Creat Ratio	12.2		10.0-28.0		10.3	01/29/2013
Calcium	9.0		8.6-10.2	mg/dL	9.4	01/29/2013
Uric Acid	7.2		3.4-8.5	mg/dL	6.3	08/24/2012

NOTE: New reference ranges for Uric Acid effective 11/26/12.

Iron	81		45-160	ug/dL	76	08/24/2012
Bilirubin, Total	0.3		0.1-1.0	mg/dL	0.5	01/29/2013
LD	191		135-225	U/L	187	08/24/2012
Alk Phos	111		40-156	U/L	135	01/29/2013

BERNARD, CLEMENT
T0318 - CORCMS NORTHEAST
5249 HIGHWAY 67 WEST,
MOUNTAIN CITY, TN 37683
Acct #: (T0318)
P: 423-727-7387

MO

DEAN, FRED
DOB: 09/17/1959 Age: 53 Yrs
Sex: M
Medical Record:
Inmate ID: 244104
Address:
, TN
P:

Specimen ID: 104928914
Date Of Report: 05/18/2013 06:38
Date Collected: 05/17/2013 04:04
Date Received: 05/17/2013 23:34

CLINICAL REPORT

Test	Result	Abnormal	Reference	Units	Previous Result	Date
NOTE: New reference ranges for Alkaline Phosphatase effective 11/26/12.						
AST	39		<40	U/L	51 HI	01/29/2013
PHOSPHORUS	4.4		2.7-4.5	mg/dL	4.1	08/24/2012
ALT		42 HI	<41	U/L	51 HI	01/29/2013
GGT		129 HI	10-71	U/L	123 HI	08/24/2012
*- CARDIOVASCULAR/LIPIDS *--						
Cholesterol	163		<200	mg/dL	168	08/24/2012
Triglycerides	148		<150	mg/dL	130	08/24/2012
HDL CHOL., DIRECT	45		>40		51	08/24/2012
HDL as % of Cholesterol	28		>14	%	30	08/24/2012
Chol/HDL Ratio	3.6		<7.4		3.3	08/24/2012
LDL/HDL Ratio	1.96		<3.56		1.78	08/24/2012
LDL Cholesterol	88		<100	mg/dL	91	08/24/2012
VLDL, CALCULATED	30		7-32	mg/dL	26	08/24/2012
-----* HEMATOLOGY *-----						
WBC	5.92		3.40-11.80	x10(3)/uL	6.59	01/29/2013
RBC	4.22		4.20-5.90	x10(6)/uL	4.56	01/29/2013
HGB		11.3 LO	12.3-17.0	gm/dL	12.8	01/29/2013
HCT		35.9 LO	39.3-52.5	%	37.5 LO	01/29/2013
MCV	85.1		80.0-100.0	fL	82.2	01/29/2013
MCH	26.8		25.0-34.1	pg	28.1	01/29/2013
MCHC	31.5		29.0-35.0	gm/dL	34.1	01/29/2013
RDW	13.6		10.9-16.9	%	14.1	01/29/2013
POLYS		21.0 LO	36.0-78.0	%	23.9 LO	01/29/2013
POLYS, ABS. COUNT	1.24		1.22-9.20	x10(3)/uL	1.58	01/29/2013
LYMPHS		66.7 HI	12.0-48.0	%	66.3 HI	01/29/2013
LYMPHS, ABS. COUNT	3.95		0.41-5.66	x10(3)/uL	4.37	01/29/2013
MONOS	11.5		0.0-13.0	%	8.2	01/29/2013
MONOS, ABS. COUNT	0.68		0.17-1.42	x10(3)/uL	0.54	01/29/2013
EOS	0.5		0.0-8.0	%	0.9	01/29/2013
EOS, ABS. COUNT	0.03		0.03-0.94	x10(3)/uL	0.06	01/29/2013

BERNARD, CLEMENT

T0318 - CORCMS NORTHEAST

5249 HIGHWAY 67 WEST,
MOUNTAIN CITY, TN 37683

Acct #: (T0318)

P: 423-727-7387

MO

DEAN, FRED

DOB: 09/17/1959 Age: 53 Yrs

Sex: M

Medical Record:

Inmate ID: 244104

Address:

, TN

P:

Specimen ID: 104928914

Date Of Report: 05/18/2013 06:38

Date Collected: 05/17/2013 04:04

Date Received: 05/17/2013 23:34

CLINICAL REPORT

Test	Result	Abnormal	Reference	Units	Previous Result	Date
BASOS	0.3		0.0-2.0	%	0.5	01/29/2013
BASOS, ABS. COUNT	0.02		0.00-0.24	x10(3)/uL	0.03	01/29/2013
IMMATURE GRANULOCYTES	0.0		0.0-1.6	%	0.2	01/29/2013
Platelet Count	215		144-400	x10(3)/uL	222	01/29/2013
MPV	11.2		8.2-11.9	fL	12.0 HI	01/29/2013

NOTE: One or more parameters of the CBC reported for this accession require a MANUAL peripheral smear differential review and/or cell count. This has been performed as per our protocol and commented on the report, if necessary. This review also included RBC morphology and platelet estimation.

5-20-13
C

MOORE, DAVID

T0318 - CMS NORTHEAST

5249 HIGHWAY 67 WEST,
MOUNTAIN CITY, TN 37683

Acct #: (T0318)

P: 423-727-7387

MO

DEAN, FRED

DOB: 09/17/1959 Age: 53 Yrs

Sex: M

Medical Record:

Inmate ID: 244104

Address:

, TN

P:

Specimen ID: 103142196

Date Of Report: 01/30/2013 06:59

Date Collected: 01/29/2013 07:45

Date Received: 01/29/2013 23:49

SAMPLE

CLINICAL REPORT

-----* HEMATOLOGY *-----

Test	Result	Abnormal	Reference	Units	Previous Result	Date
WBC	6.59		3.40-11.80	x10(3)/uL	7.10	08/24/2012
RBC	4.56		4.20-5.90	x10(6)/uL	4.24	08/24/2012
HGB	12.8		12.3-17.0	gm/dL	11.4 LO	08/24/2012
HCT		37.5 LO	39.3-52.5	%	35.0 LO	08/24/2012
MCV	82.2		80.0-100.0	fL	82.5	08/24/2012
MCH	28.1		25.0-34.1	pg	26.9	08/24/2012
MCHC	34.1		29.0-35.0	gm/dL	32.6	08/24/2012
RDW	14.1		10.9-16.9	%	14.0	08/24/2012
POLYS		23.9 LO	36.0-78.0	%	29.8 LO	08/24/2012
POLYS, ABS. COUNT	1.58		1.22-9.20	x10(3)/uL	2.11	08/24/2012
LYMPHS		66.3 HI	12.0-48.0	%	59.0 HI	08/24/2012
LYMPHS, ABS. COUNT	4.37		0.41-5.66	x10(3)/uL	4.19	08/24/2012
MONOS	8.2		0.0-13.0	%	9.7	08/24/2012
MONOS, ABS. COUNT	0.54		0.17-1.42	x10(3)/uL	0.69	08/24/2012
EOS	0.9		0.0-8.0	%	1.0	08/24/2012
EOS, ABS. COUNT	0.06		0.03-0.94	x10(3)/uL	0.07	08/24/2012
BASOS	0.5		0.0-2.0	%	0.4	08/24/2012
BASOS, ABS. COUNT	0.03		0.00-0.24	x10(3)/uL	0.03	08/24/2012
IMMATURE GRANULOCYTES	0.2		0.0-1.6	%	0.1	08/24/2012
Platelet Count	222		144-400	x10(3)/uL	249	08/24/2012
MPV		12.0 HI	8.2-11.9	fL	11.5	08/24/2012

POIKILOCYTOSIS 2+

NOTE: One or more parameters of the CBC reported for this accession require a MANUAL peripheral smear differential review and/or cell count. This has been performed as per our protocol and commented on the report, if necessary. This review also included RBC morphology and platelet estimation.

01-31-2013 P01:10

Katherine Goff, MD



LabCorp Birmingham
1801 First Avenue South, Birmingham, AL 35233-1935

Phone: 205-581-3500

SPECIMEN	TYPE	PRIMARY LAB	REPORT STATUS	Page #:
274-766-2195-1	S	MB	COMPLETE	1

ADDITIONAL INFORMATION

FASTING: N
DOB: 9/17/1959

PATIENT NAME		SEX	AGE(YR./MOS.)		
DEAN,FRED		M	49 /		
PT. ADD.:					
DATE OF COLLECTION		TIME	DATE RECEIVED		DATE REPORTED
9/30/2008		11:50	10/02/2008		10/03/2008
					17:05
					8946

CLINICAL INFORMATION

CD- 41295410023

PHYSICIAN ID.	NPI	PATIENT ID.
SATOR, I		244104
ACCOUNT:	Riverbend Maximum Security Institution 7475 Cockrill Bend Indr Rd NASHVILLE TN 37209-0000	
ACCOUNT NUMBER:	41839940	

TEST	RESULT	LIMITS	LAB
------	--------	--------	-----

HBsAb+Ag+HCVAB

HBsAg Screen

Confirm. indicated

Negative

01

HBsAg Confirmation

Positive

01

Hep B Surface Ab

<0.1

Index Value

0.00 - 0.99

01

Status of Immunity

Anti-HBs Level

Inconsistent with Immunity

0.00 - 0.99

Consistent with Immunity

>0.99

An Index Value of 1.00 is equivalent to 10 mIU/mL.
However the magnitude of the Index Value is not
indicative of the total amount of antibody present.

Please note reference interval change

HCV AB

>11.0 H s/co ratio

0.0 - 0.9

01

Positive

Indicates past or present HCV infection; Immunoblot testing not performed. Samples with high s/co ratios (>10.9) confirm positive (95%), but <5 out of 100 might represent false-positives. PCR testing can be requested if indicated (requires an additional sample to be submitted). Qualitative HCV RNA testing will differentiate active from resolved infection.

Written Authorization

01

Written Authorization Received.

Authorization received from INNOCENTES SATOR 10-02-2008

Logged by Rhonda Shuffitt

LAB: 01 MB LabCorp Birmingham
1801 First Avenue South, Birmingham, AL 35233-1935

DIRECTOR: John Elgin N MD

Pat Name: DEAN, FRED	Pat ID: 244104	Spec #: 274-766-2195-1	Seq #: 8946
----------------------	----------------	------------------------	-------------

Results are Flagged in Accordance with Age Dependent Reference Ranges

Case 3:13-cv-00091 Document 563 Filed 05/06/15 Page 25 of 28 PageID #: 4435

SPECIMEN	TYPE	PRIMARY LAB	REPORT STATUS	Page #:
274-766-2195-0	S	MB	COMPLETE	1

ADDITIONAL INFORMATION

FASTING: N
DOB: 9/17/1959

PATIENT NAME		SEX	AGE(YR./MOS.)		
DEAN,FRED		M	49 /		
PT. ADD.:					
DATE OF COLLECTION TIME		DATE RECEIVED	DATE REPORTED	TIME	
9/30/2008 11:50		9/30/2008	10/01/2008	17:05	8937

CLINICAL INFORMATION

CD- 41295410023

PHYSICIAN ID.	NPI	PATIENT ID.
SATOR I		244104
ACCOUNT: Riverbend Maximum Security Institution 7475 Cockrill Bend Indr Rd NASHVILLE TN 37209-0000		
ACCOUNT NUMBER: 41839940		

TEST	RESULT	LIMITS	LAB
------	--------	--------	-----

CBC With Differential/Platelet

	WBC	5.9	x10E3/uL	4.0 - 10.5	01
	RBC	4.42	x10E6/uL	4.10 - 5.60	01
>	Hemoglobin	12.0L	g/dL	12.5 - 17.0	01
	Hematocrit	37.2	%	36.0 - 50.0	01
	MCV	84	fL	80 - 98	01
	MCH	27.2	pg	27.0 - 34.0	01
	MCHC	32.3	g/dL	32.0 - 36.0	01
	RDW	13.6	%	11.7 - 15.0	01
	Platelets	222	x10E3/uL	140 - 415	01
>	Neutrophils	31 L	%	40 - 74	01
>	Lymphs	60 H	%	14 - 46	01
	Monocytes	8	%	4 - 13	01
	Eos	1	%	0 - 7	01
	Basos	0	%	0 - 3	01
	Neutrophils (Absolute)	1.8	x10E3/uL	1.8 - 7.8	01
	Lymphs (Absolute)	3.5	x10E3/uL	0.7 - 4.5	01
	Monocytes (Absolute)	0.5	x10E3/uL	0.1 - 1.0	01
	Eos (Absolute)	0.1	x10E3/uL	0.0 - 0.4	01
	Baso (Absolute)	0.0	x10E3/uL	0.0 - 0.2	01

Comp. Metabolic Panel (14)

Glucose, Serum	79	mg/dL	65 - 99	01
BUN	12	mg/dL	5 - 26	01
Creatinine, Serum	1.11	mg/dL	0.76 - 1.27	01
Glom Filt Rate, Est	>59	mL/min/1.73	60 - 137	
If African-American	>59	mL/min/1.73	60 - 137	

Note: Persistent reduction for 3 months or more in an eGFR <60 mL/min/1.73 m2 defines CKD. Patients with eGFR values >=60 mL/min/1.73 m2 may also have CKD if evidence of persistent proteinuria is present. Additional information may be found at www.kdoqi.org.

BUN/Creatinine Ratio	11		8 - 27	
Sodium, Serum	138	mmol/L	135 - 145	01
Potassium, Serum	5.0	mmol/L	3.5 - 5.2	01
Chloride, Serum	101	mmol/L	97 - 108	01
Carbon Dioxide, Total	22	mmol/L	20 - 32	01
Calcium, Serum	9.7	mg/dL	8.5 - 10.6	01
Protein, Total, Serum	7.9	g/dL	6.0 - 8.5	01
Albumin, Serum	4.6	g/dL	3.5 - 5.5	
Globulin, Total	3.3	g/dL	1.5 - 4.0	

Pat Name: DEAN, FRED	Pat ID: 244104	Spec #: 274-766-2195-0	Seq #: 8937
----------------------	----------------	------------------------	-------------

Results are Flagged in Accordance with Age Dependent Reference Ranges



LabCorp Birmingham
1801 First Avenue South, Birmingham, AL 35233-1935

Phone: 205-581-3500

SPECIMEN	TYPE	PRIMARY LAB	REPORT STATUS	Page #:
274-766-2195-0	S	MB	COMPLETE	2

ADDITIONAL INFORMATION

FASTING: N
DOB: 9/17/1959

PATIENT NAME	SEX	AGE(YR./MOS.)
DEAN, FRED	M	49 /
PT. ADD.:		

DATE OF COLLECTION TIME	DATE RECEIVED	DATE REPORTED	TIME	
9/30/2008 11:50	9/30/2008	10/01/2008	17:05	8937

CLINICAL INFORMATION

CD- 41295410023

PHYSICIAN ID.	NPI	PATIENT ID.
SATOR I		244104

ACCOUNT: Riverbend Maximum
Security Institution
7475 Cockrill Bend Indr Rd
NASHVILLE TN 37209-0000
ACCOUNT NUMBER: 41839940

TEST	RESULT	LIMITS	LAB
A/G Ratio	1.4	1.1 - 2.5	
Bilirubin, Total	0.4 mg/dL	0.1 - 1.2	01
Alkaline Phosphatase, S	115 IU/L	25 - 150	01
AST (SGOT)	39 IU/L	0 - 40	01
ALT (SGPT)	45 IU/L	0 - 55	01
Iron and TIBC			
Iron Bind.Cap.(TIBC)	322 ug/dL	250 - 450	
UIBC	222 ug/dL	150 - 375	01
Iron, Serum	100 ug/dL	40 - 155	01
Iron Saturation	31 %	15 - 55	
Thyroid Panel With TSH			
TSH	1.637 uIU/mL	0.450 - 4.500	01
Thyroxine (T4)	9.7 ug/dL	4.5 - 12.0	01
> T3 Uptake	22 L %	24 - 39	01
Free Thyroxine Index	2.1	1.2 - 4.9	
Rheumatoid Arthritis Factor			
RA Latex Turbid.	<7.0 IU/mL	0.0 - 13.9	01
Uric Acid, Serum	6.5 mg/dL	2.4 - 8.2	01
Sedimentation Rate-Westergren	4 mm/hr	0 - 15	01
HBsAg Screen	Confirm. indicated	Negative	01
> HBsAg Confirmation	Positive		01

LAB: 01 MB LabCorp Birmingham
1801 First Avenue South, Birmingham, AL 35233-1935

DIRECTOR: John Elgin N MD

Innocentes Sator
10-2-08

Pat Name: DEAN, FRED Pat ID: 244104 Spec #: 274-766-2195-0 Seq #: 8937

Results are Flagged in Accordance with Age Dependent Reference Ranges

Hepatitis C Workup and Treatment Guidelines Tennessee Region

Hepatitis C Immunoassay Positive

Initial Assumptions:

- No unstable medical and mental health conditions;
- No contraindication to interferon (Ribavirin if can't use monotherapy in genotype 2,3)
- **Genotypes 1, 4, and 6** – treatment would proceed if earliest release date is **>15 months**;
- **Genotypes 2, 3** – treatment would proceed if earliest release date is **> 9 months**;
- Patient has not refused

Physical Exam

- Determine if any or all of the following are present and what severity: Encephalopathy; Hepatomegaly; and Asterix. Also evidence of CHF or volume overload.

Laboratory studies to order

- Order HCV Genotype
- Order hemoglobin; MCV; Absolute Neutrophil Count (ANC); Platelet count; Alkaline Phosphatase; Total Bilirubin; ALT; AST; Albumin; and PT / INR
- Order HCV RNA (Viral Load) at ≤ 2 months before treatment initiation.

Determine the stage of fibrosis using the SAFE Algorithm

- Primarily in genotype 1
- Calculate the APRI (AST/LPT Ratio Index) then use the SAFE Algorithm
- **Caveat – Genotype 2, 3** – Routinely no fibrosis evaluation is needed so no need to use the SAFE Algorithm UNLESS a high suspicion of cirrhosis. Then the algorithm is used.

Determine the Severity of Cirrhosis (well compensated; significant functional compromise, or decompensated). Therefore, use the CTP below only if cirrhosis is present.

- Use the CTP (Child-Turcotte-Pugh) Score

Decide on Therapy (Dual vs Triple)

Triple Therapy

- Only Genotype 1, Stage 4/Cirrhosis patients AND declining platelet count and/or evidence of liver dysfunction. Everyone else would be dual therapy.

Dual Therapy

- All Genotypes 2,3 (but can prioritize by treating only those with cirrhosis)
- Prioritize Genotypes 1, 4, and 6 (stages 2 – 4)

Exclusion criteria

<ul style="list-style-type: none"> ▪ Platelet count <70,000 ▪ ANC <1500 ▪ CTP Score ≥ 7 ▪ Contraindication to interferon ▪ Solid organ transplantation 	<ul style="list-style-type: none"> ▪ Unstable medical conditions (e.g. uncontrolled diabetes; COPD, and CHF) ▪ Unstable mental health conditions (e.g. depression) ▪ Ribavirin is contraindicated in patients with CrCl <50; pregnancy, and history of pancreatitis ▪ Hemoglobinopathies except sickle cell trait
---	--

Hepatoma Screening Hep C positive patients with cirrhosis

- Ultrasound every 6 months in diabetics and non-diabetics